RADIOCHEMISTRY TECHNICIAN
JOB PERFORMANCE MEASURE

TASK CODE: TRC-A04

TASK: Maintain Radiochemistry Laboratory Logbook

NAME: _____ **SSN**: _____

REFERENCES:

1. WP 12-RL1010, Sample Preparation
2. WP 12-RL1011, Elemental Separation - Fission Products
3. WP 12-RL1012, Elemental Separation - Transuranic Products
4. WP 12-RL1014, Sample Mounting
5. WP 12-RL1400, Radiochemistry Laboratory Waste Management
6. WP 12-RL1014, Routine Laboratory Operation

TERMINAL OBJECTIVE:

Given pertinent information, maintain the Radiochemistry Laboratory logbook.

CONSEQUENCES OF INADEQUATE PERFORMANCE:

Improper analysis results
Loss of a sample

HAZARDS (PERSONNEL/EQUIPMENT STATUS):

None

PRE-REQUISITE TRAINING/ TASK COMPLETION:

1. CF 4.00 Series

TOOLS/EQUIPMENT (MATERIALS REQUIRED):

1. Radiochemistry Logbook

Instructions to Trainee: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

Instructions to JPM Evaluator: The trainee is to perform the terminal objective, without assistance, on the job site. Provide clarification of requirements if requested by the trainee. You are encouraged to ask relevant questions to verify trainee understanding. If the trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's qualification card.

KNOWLEDGE REQUIREMENTS:

Reference	Knowledge Requirement	Pass/Fail
1,6	State the required information to be logged concerning the original sample.	
1,6	State the required information to be logged concerning any aliquots	
1,6	State the required information to be logged concerning the use of a tracer/carrier.	
1,6	State the required information to be logged concerning the sample type.	
1	State the required information to be logged concerning the method of preparation.	
2,3	State the required information to be logged concerning the type of separation technique utilized.	
6	State the required information to be logged concerning any approved procedural deviations such as those for R&D.	
4	State the required information to be logged concerning the mounting technique utilized	
5	State the required information to be logged concerning the disposal of non-radioactive waste.	
5	State the required information to be logged concerning the disposal of radioactive waste.	
6	State the requirements for making a late entry.	
6	State the required information that must be logged on every entry.	
6	State the required information to be logged when preparing a reagent.	
6	Discuss the purpose of the Radiochemistry Logbook.	

PERFORMANCE REQUIREMENTS:

Reference	Performance Requirement	Pass/Fail
1,6	Concerning each log entry, Log the time, the date and initial each entry.#	
1,6	Concerning the sample, Log the sample number and the original sample volume.#	
1,6	Concerning all aliquots, Log the sample number and the volume of the aliquot.#	
1,6	Concerning tracers added to the sample, Log the tracer ID#, the amount of tracer added, the type of tracer added and the sample ID# the tracer was added to.#	
1,6	Concerning the sample type, Log the type of sample medium.#	
1	Log how the sample was prepared.#	
2,3	Log the type of separation technique used.#	
4	Log the type of mounting technique utilized.#	
6	Log all approved procedural deviations for R&D purposes.#	
6	Concerning prepared reagents, Log the exact amount of each constituent used to prepare the reagent.#	

# indicates a critical step

FINAL EVALUATION: PASS FAIL

COMMENTS:

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EVALUATOR SIGNATURE: _____ **DATE**:_____

TRAINEE SIGNATURE: _____ **DATE**:_____

MANAGER SIGNATURE: _____ **DATE**:_____